

### **Abstract**

This invention relates to compounds, and in particular to polypeptides, their use and methods for their production. The polypeptides are produced from “pseudo-cystein” amino acids that facilitate the assembly of polypeptides by native chemical ligation. The invention provides a compound comprising a polypeptide, the polypeptide having at a C-terminal end a pseudo amino acid, the pseudo amino acid having a side chain containing a 1-amino-2-thiol moiety. For example the polypeptide comprises the structure: formula (I) wherein: R is a polypeptide chain; X is a linker.